

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| L1    | 47   | ("3612058"   "3878849"   "4425919"   "4465482"   "4669465"   "4817613"   "4842590"   "5001825"   "5329923"   "5549551"   "5571114"   "5700253"   "5766164"   "5855560"   "6165163"   "6368316"   "6569192"   "6574497"   "6602225"   "6607505").PN. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2008/09/22<br>11:51 |
| S1    | 2    | "4669465".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                 | OR               | OFF     | 2004/06/27<br>19:36 |
| S2    | 0    | tracee-eidenschink.in.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                 | OR               | OFF     | 2004/06/26<br>14:28 |
| S3    | 3    | eidenschink-tracee.in.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                 | OR               | OFF     | 2003/12/09<br>10:52 |
| S4    | 413  | (catheter or shaft or tubular with flexible) and (raise\$ adj pattern or tread adj pattern)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                 | OR               | OFF     | 2003/12/09<br>11:22 |
| S5    | 1    | ((catheter or shaft or tubular with flexible) and (raise\$ adj pattern or tread adj pattern))) and (guide adj catheter or balloon adj catheter same torque\$2)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                 | OR               | OFF     | 2003/12/09<br>11:01 |
| S6    | 0    | ((catheter or shaft or tubular with flexible) and (raise\$ adj pattern or tread adj pattern))) and (guide adj catheter same torque\$2)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                 | OR               | OFF     | 2003/12/09<br>11:02 |
| S7    | 1    | ((catheter or shaft or tubular with flexible) and (raise\$ adj pattern or tread adj pattern))) and (guide near catheter) and (torque\$2)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                 | OR               | OFF     | 2003/12/09<br>11:03 |
| S8    | 1    | ((catheter or shaft or tubular with flexible) and (raise\$ adj pattern or tread adj pattern))) and (PTA or PTCA)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                 | OR               | OFF     | 2003/12/09<br>11:06 |
| S9    | 1    | ((catheter or shaft or tubular with flexible) and (raise\$ adj pattern or tread adj pattern))) and (PTA)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                 | OR               | OFF     | 2003/12/09<br>11:06 |

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| S10 | 7    | ((catheter or shaft or tubular with flexible) and (raise\$ adj pattern or tread adj pattern)))and("606"/\$.CCLS.                                 | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/12/09<br>11:07 |
| S11 | 0    | ((((catheter or shaft or tubular with flexible)and (raise\$ adj pattern or tread adj pattern)))and(@ad<"20011227")) and (vascular same tortuous) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/12/09<br>11:26 |
| S12 | 4    | ((((catheter or shaft or tubular with flexible)and (raise\$ adj pattern or tread adj pattern)))and(@ad<"20011227")) and (vascular)               | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/12/09<br>11:32 |
| S13 | 2    | ((catheter or shaft or tubular with flexible) and (raise\$ adj pattern or tread adj pattern)) and ("604"/\$.ccls.)                               | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/12/09<br>11:33 |
| S14 | 1359 | guide near catheter same dimpling or raise \$ adj pattern  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/12/10<br>09:27 |
| S15 | 1    | (guide near catheter same dimpling or raise\$ adj pattern) and PTA   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/12/10<br>09:27 |
| S16 | 7    | ((guide near catheter same dimpling or raise\$ adj pattern)) and (vascular or blood adj vessel)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/12/10<br>09:28 |
| S17 | 8    | ("4029084"   "4658817"   "4669465"   "4846171"   "5125926"   "5380316"   "5389096"   "5591159").PN.  | USPAT   | OR | OFF | 2003/12/10<br>09:31 |
| S18 | 375  | ((catheter or shaft or tubular with flexible) and (raise\$ adj pattern or tread adj pattern)))and(@ad<"20011227"                                 | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/06/26<br>15:12 |
| S19 | 1    | ((catheter with flexible)and (raise\$ adj pattern or tread adj pattern)))and (@ad<"20011227"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/12/10<br>10:03 |
| S20 | 4    | "6602225".pn.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2003/12/10<br>10:04 |
| S21 | 6    | ("5549551"   "5571087"   "5669924"   "5921958"   "6039749"   "6142973").PN.  | USPAT   | OR | OFF | 2003/12/10<br>10:04 |
| S22 | 0    | "6602225".URPN.  | USPAT   | OR | OFF | 2004/06/26<br>13:52 |
| S23 | 0    | "6602225".URPN.  | USPAT   | OR | OFF | 2003/12/10<br>10:09 |

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| S24 | 1   | "5571114".PN.   | USPAT   | OR | OFF | 2004/06/26<br>13:53 |
| S25 | 1   | "4669465".PN.   | USPAT   | OR | OFF | 2004/06/26<br>13:53 |
| S26 | 0   | ((600/433.ccls.)or (600/435.ccls)) and catheter   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/06/26<br>14:30 |
| S27 | 302 | (600/433,435.ccls.) and (catheter)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/06/26<br>14:48 |
| S28 | 0   | ((600/433,435.ccls.) and (catheter)) and (raised adj pattern)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/06/26<br>14:31 |
| S29 | 0   | ((600/433,435.ccls.) and (catheter)) and (raised adj pattern or tread adj pattern)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/06/26<br>14:32 |
| S30 | 0   | ((600/433,435.ccls.) and (catheter)) and (raise\$ adj pattern or tread adj pattern)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/06/26<br>14:33 |
| S31 | 1   | ((600/433,435.ccls.) and (catheter)) and (dimpling)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/06/26<br>14:33 |
| S32 | 12  | ("3612058"   "4763647"   "4920980"   "5001825"   "5106381"   "5231989"   "5238005"   "5255668"   "5336182"   "5363861"   "5431168"   "5497784").PN. | USPAT   | OR | OFF | 2004/06/26<br>14:41 |
| S33 | 8   | ("2095563"   "2199602"   "2379801"   "4080706"   "4619274"   "4721117"   "4811743"   "4832047").PN.   | USPAT   | OR | OFF | 2004/06/26<br>14:46 |
| S34 | 0   | (600/433,435.ccls.) and (catheter)and (tread adj pattern)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/06/26<br>14:49 |
| S35 | 0   | (600/433,435.ccls.) and (catheter)and (raise\$) same (pattern)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/06/26<br>14:49 |
| S36 | 11  | (600/433,435.ccls.) and (catheter)and (raise\$)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/06/26<br>14:50 |

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| S37 | 2   | "6368316".pn.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/20<br>15:00 |
| S38 | 322 | (600/433,434,435.ccls.)and (catheter with flexible)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/20<br>15:02 |
| S39 | 0   | (S38) and (raise\$ adj pattern or tread adj pattern)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/20<br>15:04 |
| S40 | 0   | (S38) and (raise\$ adj pattern or dimpling)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/20<br>15:04 |
| S41 | 0   | (S38) and (raise\$ adj pattern)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/20<br>15:05 |
| S42 | 15  | (S38) and (raise\$ or dimpling)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/20<br>15:05 |
| S43 | 67  | ("1207479"   "4033331"   "4181131"  <br>"4245624"   "4753223"   "4826087"  <br>"5041085"   "5098412"   "5156151"  <br>"5263493"   "5273535"   "5306245"  <br>"5368592"   "5370675"   "5399165"  <br>"5415656"   "5437665"   "5439006"  <br>"5472017"   "5482037"   "5487385"  <br>"5487757"   "5500012"   "5549661"  <br>"5571088"   "5637090"   "5642736"  <br>"5672174"   "5702368"   "5702438"  <br>"5709224"   "5730127"   "5738683"  <br>"5782899"   "5800482"   "5800484"  <br>"5820591"   "5836947"   "5863291"  <br>"5865800"   "5879295"   "5895417"  <br>"5910129"   "5931811"   "5938660"  <br>"5971983"   "6012457"   "6013052"  <br>"6016811"   "6027473"   "6048329"  <br>"6064902"   "6071274"   "6071279"  <br>"6120500"   "6152899"   "6203525"  <br>"6237605"   "6311692"   "6314962"  <br>"6314963"   "6332880"   "6402746"  <br>"6413234"   "6454758"   "6464700").PN. | US-PGPUB;<br>USPAT; USOCR                               | OR | OFF | 2004/12/20<br>15:50 |
| S44 | 3   | "6607505".pn.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/20<br>15:50 |

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| S45 | 307    | 604/524.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/21<br>08:46 |
| S46 | 0      | (S45) and (shaft or tube) and (raise\$<br>near4 outer adj surface)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/21<br>08:48 |
| S47 | 26     | (S45) and (shaft or tube) and (raise\$)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/21<br>08:48 |
| S48 | 8      | ("3485234"   "3498286"   "3924632"  <br>"4044765"   "4425919"   "5217440").PN.  | US-PGPUB;<br>USPAT; USOCR                               | OR | OFF | 2004/12/21<br>09:10 |
| S49 | 43     | ("3131615"   "3416531"   "3485234"  <br>"3498286"   "3554237"   "3598126"  <br>"3618614"   "3684605"   "3861972"  <br>"3879516"   "3924632"   "4080999"  <br>"4081303"   "4133972"   "4262704"  <br>"4400228"   "4411655"   "4425919"  <br>"4430083"   "4463779"   "4478898"  <br>"4510974"   "4547193"   "4644623"  <br>"4647326"   "4655769"   "4707206"  <br>"4740207"   "4777955"   "4784144"  <br>"4817613"   "4863442"   "4892099"  <br>"4899787"   "4923541"   "4955377"  <br>"4969890"   "4976691").PN. | US-PGPUB;<br>USPAT; USOCR                               | OR | OFF | 2004/12/21<br>09:23 |
| S50 | 2      | "5217440".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/21<br>09:23 |
| S51 | 2      | "6165163".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2004/12/21<br>09:24 |
| S52 | 2      | "4817613".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/04/12<br>15:39 |
| S53 | 2      | "4669465".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/04/12<br>15:39 |
| S54 | 2      | "5217440".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:02 |
| S55 | 159538 | (catheter or tube or tubular with raise\$2<br>adj pattern or tread) and (vessel)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:05 |

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| S56 | 878 | (catheter with raise\$2 adj pattern or tread) and (vessel) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:06 |
| S57 | 1   | (catheter with raise\$2 adj pattern) and (vessel)          | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:05 |
| S58 | 1   | S56 and (606/194.ccls.)                                    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:06 |
| S59 | 1   | S57 and (bearing adj points)                               | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:07 |
| S60 | 1   | S57 and (bearing near points)                              | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:07 |
| S61 | 1   | S57 and (bearing)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:11 |
| S62 | 1   | S57 and (bearing or carriage)                              | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:11 |
| S63 | 0   | S57 and (carriage)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:11 |
| S64 | 0   | S57 and (peak)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:12 |
| S65 | 0   | S57 and (notch)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:12 |
| S66 | 0   | S57 and (pitch)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:14 |
| S67 | 0   | S57 and @pd<"20011227"                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:15 |

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|-----|-------|---|---|----|-----|---------------------|
| S68 | 573   | S66 and @pd<"20011227"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:16 |
| S69 | 73    | S68 and torque  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:50 |
| S70 | 2     | S69 and laser   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:16 |
| S71 | 2091  | 604/523,524,525.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:51 |
| S72 | 0     | S71 and (catheter with raised adj pattern) and (torque)                           | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:52 |
| S73 | 278   | S71 and (catheter) and (torque)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>12:52 |
| S74 | 30    | S73 and (knurled or etched)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>13:00 |
| S75 | 1     | (606/108.ccls.) and (catheter) and (knurled) and (etched)                         | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>13:03 |
| S76 | 1044  | (606/108.ccls.) and (catheter)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>13:03 |
| S77 | 1     | S76 and torque and knurled  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>13:05 |
| S78 | 17    | S76 and knurled   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/07/08<br>13:07 |
| S79 | 78951 | (catheter or tube or tubular or sheath with raise\$2 near pattern) same (bearing) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/22<br>15:20 |

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| S80 | 35666 | transmission same torque same shaft  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/22<br>15:21 |
| S81 | 22    | transmission same torque same shaft<br>same (balloon adj catheter)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/22<br>15:23 |
| S82 | 0     | S79 and S81  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/22<br>15:22 |
| S83 | 78973 | S79 or S81   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/22<br>15:22 |
| S84 | 2     | "6350271".pn.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/22<br>15:24 |
| S85 | 29    | ("3868956"   "4299225"   "4425908"  <br>"4612931"   "4765332"   "4919133"  <br>"5009659"   "5071407"   "5108406"  <br>"5108407"   "5192286"   "5201741"  <br>"5324304"   "5330482"   "5342371"  <br>"5421832"   "5496330"   "5601595"  <br>"5665098"   "5669933"   "5697936"  <br>"5725543"   "5792145"   "5800525"  <br>"5814064"   "5827304"   "5827324"  <br>"5846260"   "6066149").PN. | US-PGPUB;<br>USPAT; USOCR                               | OR | OFF | 2006/02/22<br>15:24 |
| S86 | 2     | "4842590".pn.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/13<br>10:52 |
| S87 | 2     | "4817613".pn.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/13<br>12:23 |
| S88 | 2     | "4842590".pn.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/13<br>12:23 |
| S89 | 8     | ("3470869"   "3485234"   "3965909"  <br>"4385635"   "4425919"   "4498473").PN.   | US-PGPUB;<br>USPAT; USOCR                               | OR | OFF | 2006/03/13<br>12:23 |
| S90 | 102   | ("4842590").URPN.  | USPAT   | OR | OFF | 2006/03/13<br>12:36 |
| S91 | 2     | "5329923".pn.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/03/13<br>12:36 |



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|------|-----|---|---|----|-----|---------------------|
| S92  | 23  | ("1557958"   "3071942"   "3390546"  <br>"3844137"   "4273111"   "4456017"  <br>"4465482"   "4580551"   "4601713"  <br>"4660571"   "4664113"   "4911148"  <br>"4920980"   "4940062"   "4941455"  <br>"4942866"   "4960134"   "4969890"  <br>"4998923"   "5037391").PN. | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2006/03/13<br>12:36 |
| S93  | 2   | "5329923".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                 | OR | OFF | 2006/08/25<br>09:27 |
| S94  | 2   | "4465482".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                 | OR | OFF | 2006/08/25<br>09:28 |
| S95  | 2   | "4669465".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                 | OR | OFF | 2006/08/25<br>09:28 |
| S96  | 1   | "5329923".pn.   | USPAT   | OR | OFF | 2006/11/28<br>11:52 |
| S97  | 2   | "5329923".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/13<br>08:30 |
| S98  | 2   | "4465482".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/13<br>08:31 |
| S99  | 0   | 606/526,528,529.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/23<br>11:13 |
| S100 | 880 | 604/526,528,529.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/23<br>11:14 |
| S101 | 536 | S100 and @pd<"20011227"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/23<br>11:33 |
| S102 | 444 | (catheter or shaft or tubular with flexible)<br>and (outer with surface) same (protrusion<br>or knurl\$2) and (vessel)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB                 | OR | OFF | 2007/04/23<br>11:33 |

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| S103 | 9    | S101 and S102   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/23<br>11:32 |
| S104 | 1393 | 604/174,175,176.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/23<br>11:32 |
| S105 | 1053 | S104 and @pd<"20011227"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/23<br>11:35 |
| S106 | 4    | S105 and S102   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/04/23<br>11:34 |
| S107 | 2    | "6893421".pn.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/01<br>09:35 |
| S108 | 69   | ("4578061"   "4658817"   "4760131"  <br>"4790311"   "4857057"   "4896671"  <br>"4973321"   "5047026"   "5093877"  <br>"5261889"   "5287861"   "5353800"  <br>"5354279"   "5358485"   "5364393"  <br>"5370675"   "5380316"   "5389096"  <br>"5403311"   "5405376"   "5431649"  <br>"5464395"   "5486161"   "5522815"  <br>"5551427"   "5569462"   "5591159"  <br>"5593394"   "5593405"   "5601586"  <br>"5601588"   "5607405"   "5620414"  <br>"5672174"   "5681308"   "5683366"  <br>"5697882"   "5700259"   "5713894"  <br>"5725521"   "5725523"   "5762631"  <br>"5766164"   "5769843"   "5797870"  <br>"5807388"   "5810836"   "5827203"  <br>"5840059"   "5845646"   "5871495"  <br>"5873366"   "5873855"   "5911729"  <br>"5913853"   "5921982"   "5925033"  <br>"5931848"   "5944716"   "5947989"  <br>"5964754"   "6042581"   "6045565"  <br>"6053911"   "6053924"   "6056742"  <br>"6056743"   "6086582"   "6217554").PN. | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2007/05/01<br>09:44 |
| S109 | 0    | ("6893421").URPN.   | USPAT   | OR | OFF | 2007/05/01<br>09:50 |
| S110 | 1258 | 604/93.01,164.01.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/01<br>09:58 |

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| S111 | 575  | S110 and @pd<"20011227"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/01<br>09:58 |
| S112 | 9    | (outer with surface) same (protrusion or knurled)and (tube or tubular) and (S111)                                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/01<br>10:01 |
| S113 | 907  | 604/540-544.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/01<br>09:58 |
| S114 | 477  | S113 and @pd<"20011227"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/01<br>10:25 |
| S115 | 5    | (outer with surface) same (protrusion or knurled)and (tube or tubular) and (S114)                                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/01<br>10:00 |
| S116 | 124  | (outer with surface) same (protrusion or knurled)and (tube or tubular) and ("138"/<br>\$.ccls.)                       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/01<br>10:25 |
| S117 | 121  | 604/103.09.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/01<br>10:25 |
| S118 | 70   | S117 and @pd<"20011227"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/01<br>10:34 |
| S119 | 3245 | (outer with surface) same (protrusion or knurled) and (tube or tubular).clm.  | US-PGPUB;<br>USPAT  | OR | OFF | 2007/05/11<br>15:39 |
| S120 | 1    | (outer with surface) same (protrusion or knurled) and (tube or tubular)and (raised)<br>and (bearing with points).clm. | US-PGPUB;<br>USPAT  | OR | OFF | 2007/05/11<br>15:40 |
| S121 | 4126 | 623/1.11,1.12,1.15,1.23,2.11.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/25<br>11:38 |

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| S122 | 877  | S121 and (@pd<"20011227")                     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/25<br>11:25 |
| S123 | 6061 | (pattern or bumps) and (catheter) and (stent) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/25<br>11:26 |
| S124 | 263  | S122 and S123                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/25<br>11:27 |
| S125 | 2683 | ("623"/\$.cls.) and (S123)                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/25<br>11:39 |
| S126 | 263  | S125 and S122                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/25<br>11:40 |
| S127 | 2    | "4871358".PN.                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/09/15<br>17:14 |
| S128 | 2    | "6569192".PN.                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/09/15<br>17:16 |
| S129 | 2    | "6221059".PN.                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/09/15<br>17:29 |
| S130 | 2    | "6942680".PN.                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/09/15<br>17:31 |
| S131 | 2    | "6129706".PN.                                 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/09/15<br>17:31 |

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| S132 | 2 | "6569192".pn. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/03/07<br>09:32 |
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